



Docket No. SC-00-12

## In The United States Patent And Trademark Office

Patentee: Halliburton Energy Services, Inc.

Application No.: 10/035,350 : Filing Date: October 26, 2001

U.S. Patent No.: 6,817,425 *B2* : Issue Date: November 16, 2004

Title: Mean Strain Ratio Analysis Method and System for Detecting Drill Bit Failure and Signaling Surface Operator

Certificate of Corrections Branch  
 Commissioner for Patents  
 PO Box 1450  
 Alexandria, VA 22313-1450

**Certificate**  
**JUN 20 2005**  
**of Correction**

**TRANSMITTAL**  
**REQUEST FOR CERTIFICATE OF CORRECTION**

Sir,

The Patentee respectfully requests for a Certificate of Correction to be issued with correct information regarding the Assignee, which is presently missing on the cover of U.S. Patent 6,817,425. A copy of the Notice of Recordation of Assignment Document dated July 03, 2002, indicating an Assignment for this application was recorded on April 29, 2002 at Reel 012849, Frame 0780, is enclosed for your reference.

The Patentee believes the error to be corrected arose on the part of the Office. Therefore, no fee is believed to be due. However, the Commissioner is authorized to charge any fee, if necessary, or credit any overpayment of fees to Groover & Holmes, Deposit Account No. 07-2320.

Date: June 13, 2005

Respectfully submitted,

*N. Elizabeth Pham*  
 N. Elizabeth Pham  
 Registration No. 49,042  
 Attorney for Patentee

Groover & Holmes  
**Customer No. 29106**  
 P.O. Box 802889  
 Dallas, TX 75380  
 (972) 980-5840 Telephone  
 (972) 980-5841 Facsimile

**Certificate of Mailing Under 37 C.F.R. § 1.8(a)**

I hereby certify this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to: Certificate of Corrections Branch, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450, on June 10, 2005.

By:

*Peggy Heath*  
 Peggy Heath

JUN 22 2005

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1PATENT NO. : 6,817,425 *B2*

APPLICATION NO.: 10/035,350

ISSUE DATE : November 16, 2004

INVENTOR(S) : Roger L. Schultz, Orlando De Jesus, Andrew J. Osborne, Jr.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Patent cover page, please add:

--Assignee: Halliburton Energy Services, Inc., Houston, Texas--

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Groover &amp; Holmes

PO Box 802889

Dallas, TX 75380-2889

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

JUN 22 2005



JULY 03, 2002

ROBERT GROOVER  
17000 PRESTON RD. #230  
DALLAS, TX 75248

PTAS

JUL - 8 2002

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102078286A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/29/2002

REEL/FRAME: 012849/0780  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SCHULTZ, ROGER L.

DOC DATE: 02/26/2002

ASSIGNOR:

DE JESUS, ORLANDO

DOC DATE: 02/28/2002

ASSIGNOR:

OSBORNE, ANDREW J. JR.

DOC DATE: 03/06/2002

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC.  
10200 BELLAIRE BLVD.  
HOUSTON, TEXAS 77072-5299

SERIAL NUMBER: 10035350  
PATENT NUMBER:

FILING DATE: 10/26/2001  
ISSUE DATE:

012849/0780 PAGE 2

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

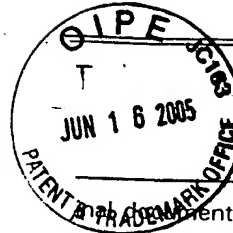
APR 29 2002

REC RC

05-06-2002



102078286

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Tr

ments or copy thereof.

## 1. Name of conveying party(ies):

Roger L. Schultz, Orlando De Jesus, Andrew J. Osborne, Jr.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: Halliburton Energy Services, Inc.

## 3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Other☐ Merger☐ Change of Name

Address: 10200 Bellaire Blvd., Houston, TX 77072-5299, U.S.A.

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 2/26/02, 2/28/02, 3/6/02

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_ (Atty.Docket SC-00-12)

## A. Patent Application No.(s)

10/035,350

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Robert Groover  
17000 Preston Rd. #230,  
Dallas TX 75248  
(972) 380-6333

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41).....\$40

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

07-2320

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Robert Groover

Name of Person Signing

Signature

4/15/02

Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:

05/02/2002 BNGUYEN1 00000010 10035350

05 FC:581

40.00 OP

C I P E

**ASSIGNMENT**

As a below-named inventor of the U.S. patent application entitled **Mean Strain Ratio Analysis Method and System for Detecting Drill Bit Failure and Signaling Surface Operator**, which names an inventorship of Roger L. Schultz and Orlando De Jesus and Andrew J. Osborne Jr., and which was filed 10/26/2001 (MM/DD/YY) and received Serial No. **10/035,350**, I hereby sell, assign and transfer to **Halliburton Energy Services, Inc.**, 10200 Bellaire Blvd., Houston, TX 77072-5299, U.S.A., (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, re—examination or reissue thereof or any legal equivalent thereof in any foreign country for the full term or terms of which the same may be granted, and specifically including the right to file foreign applications and claim priority therefor under the provisions of any convention or treaty;

and I also hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

AND I HEREBY AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on said invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor's Name: Roger L. Schultz

Signature: 

Residence Address: 4792 Red Oak Circle, Aubrey, TX 76227, U.S.A.

Today's Date, and Date Application Signed: 2/23/02

Inventor's Name: Orlando De Jesus

Signature: 

Residence Address: 120 Brumley, Apt #5, Stillwater, OK 74074, U.S.A.

Today's Date, and Date Application Signed: 3/6/02

Inventor's Name: Andrew J. Osborne Jr.

Signature: 

Residence Address: 10229 Linkwood Drive, Dallas, TX 75238, U.S.A.

Today's Date, and Date Application Signed: 2/26/02